Release notes for ENDF/B Development e-052_Te_000 evaluation

October 13, 2016

- `fudge-4.0` Warnings:

  1. Mislabled emitted particle
     Reading ENDF file: ../e-052_Te_000.endf (Error # 0): ZAP messed up

     `WARNING: photon most likely labelled as an electron (ZAP = 11), converting to ZAP = 0`

  2. FIXME: Generic fudge unimplemented message
     reaction label 1: e- + Te + gamma [bremsstrahlung] / Product: e- (Error # 0): Generic unimp (c)

     `WARNING: Checking not yet implemented for energyLoss type data`

  3. FIXME: Generic fudge unimplemented message
     reaction label 2: e- + Te [excitation] / Product: e- (Error # 0): Generic unimp (c)

     `WARNING: Checking not yet implemented for energyLoss type data`

- `fudge-4.0` Errors:

  1. Calculated and tabulated thresholds don't agree
     reaction label 0: e- + Te [large angle Coulomb scattering] / Cross section: (Error # 0): Threshold mismatch

     `WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 10. eV!`

  2. Calculated and tabulated thresholds don't agree
     reaction label 1: e- + Te + gamma [bremsstrahlung] / Cross section: (Error # 0): Threshold mismatch

     `WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 10. eV!`

  3. Calculated and tabulated thresholds don't agree
     reaction label 2: e- + Te [excitation] / Cross section: (Error # 0): Threshold mismatch

     `WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 10. eV!`

  4. Calculated and tabulated thresholds don't agree
     reaction label 3: e- + e- + Te1s1/2 / Cross section: (Error # 0): Threshold mismatch

     `WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 31805. eV!`

  5. Calculated and tabulated thresholds don't agree
     reaction label 4: e- + e- + Te2s1/2 / Cross section: (Error # 0): Threshold mismatch

     `WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 4914.2 eV!`

  6. Calculated and tabulated thresholds don't agree
     reaction label 5: e- + e- + Te2p1/2 / Cross section: (Error # 0): Threshold mismatch

     `WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 4618.2 eV!`

  7. Calculated and tabulated thresholds don't agree
     reaction label 6: e- + e- + Te2p3/2 / Cross section: (Error # 0): Threshold mismatch

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```
WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 4339.7 eV!
```

8. Calculated and tabulated thresholds don't agree
   reaction label 7: e- + e- + Te3s1/2 / Cross section: (Error # 0): Threshold mismatch

```
WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 991.08 eV!
```

9. Calculated and tabulated thresholds don't agree
   reaction label 8: e- + e- + Te3p1/2 / Cross section: (Error # 0): Threshold mismatch

```
WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 867.09 eV!
```

10. Calculated and tabulated thresholds don't agree
    reaction label 9: e- + e- + Te3p3/2 / Cross section: (Error # 0): Threshold mismatch

```
WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 814.85 eV!
```

11. Calculated and tabulated thresholds don't agree
    reaction label 10: e- + e- + Te3d3/2 / Cross section: (Error # 0): Threshold mismatch

```
WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 593.74 eV!
```

12. Calculated and tabulated thresholds don't agree
    reaction label 11: e- + e- + Te3d5/2 / Cross section: (Error # 0): Threshold mismatch

```
WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 582.74 eV!
```

13. Calculated and tabulated thresholds don't agree
    reaction label 12: e- + e- + Te4s1/2 / Cross section: (Error # 0): Threshold mismatch

```
WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 174.33 eV!
```

14. Calculated and tabulated thresholds don't agree
    reaction label 13: e- + e- + Te4p1/2 / Cross section: (Error # 0): Threshold mismatch

```
WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 130.97 eV!
```

15. Calculated and tabulated thresholds don't agree
    reaction label 14: e- + e- + Te4p3/2 / Cross section: (Error # 0): Threshold mismatch

```
WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 120.92 eV!
```

16. Calculated and tabulated thresholds don't agree
    reaction label 15: e- + e- + Te4d3/2 / Cross section: (Error # 0): Threshold mismatch

```
WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 50.71 eV!
```

17. Calculated and tabulated thresholds don't agree
    reaction label 16: e- + e- + Te4d5/2 / Cross section: (Error # 0): Threshold mismatch

```
WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 49.18 eV!
```

18. Calculated and tabulated thresholds don't agree
    reaction label 17: e- + e- + Te5s1/2 / Cross section: (Error # 0): Threshold mismatch

```
WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 18.45 eV!
```

19. Calculated and tabulated thresholds don't agree
reaction label 18: e- + e- + Te5p1/2 / Cross section: (Error # 0): Threshold mismatch

```
WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 9.23 eV!
```

20. Calculated and tabulated thresholds don't agree
reaction label 19: e- + e- + Te5p3/2 / Cross section: (Error # 0): Threshold mismatch

```
WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 8.31 eV!
```

- `xsectplotter` Warnings:

    1. Mislabled emitted particle
       Error: ZAP messed up

       ```
       stderr while processing crossSection

            WARNING: photon most likely labelled as an electron (ZAP = 11), converting to ZAP = 0
       ... [2 more lines]
       ```